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Product datasheet for SC205060

Microsomal Glutathione S transferase 1 (MGST1) (NM_145764) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Microsomal Glutathione S transferase 1 (MGST1) (NM_145764) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: MGST1

Synonyms: GST12; MGST; MGST-I

ACCN: NM_145764

Insert Size: 399 bp

Insert Sequence:

>SC205060 3'UTR clone of NM_145764
The sequence shown below is from the reference sequence of NM_145764. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGTTGCTGAAAAGTAAATTGTACCTGTAAAGAAAATCATACAACTCAGCATCCAGTTGGCTTTTTAAG
AATTCTGTACTTCCAATTTATAATGAATACTTTCTTAGATTTTAGGTAGGAGGGGAGCAGAGGAATTAT
GAACTGGGGTAAACCCATTTTGAATATTAGCATTGCCAATATCCTGTATTCTTGTTTTACATTTGGATT
AGAAATTTAACATAGTAATTCTTAAGTCTTTTGTCTGATTTTTAAAGTACTTTCTTATAAATTTGGATC
ATGTTATGATTTGTAACATTCACACAACACCTCACTTTTGAATCTATAAAAGAATTGCACGTATGAGAA
ACCTATATTTCAATACTGCTGAAACAGACATGAAATAAAGAATTTAAAGAATGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_145764.3

View online »

Summary: The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress. Several transcript variants, some non-protein coding and some protein coding, have been found for this gene. [provided by RefSeq, May 2012]

Locus ID: 4257

MW: 16.1